

|  |                                     |  |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
|--|-------------------------------------|--|--------------------------|---|-------------------------------------|--|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|
| LOCKHEED AIRCRAFT CORP.  |                                     | ENGINEERING STUDY <input type="checkbox"/>   |                          | LAC -102-1 *                                |                                     |  |                          |                                     |                                     |                                     |  |
|  |                                     | CHANGE PROPOSAL <input checked="" type="checkbox"/>  |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
| DATE<br>3-2-61   |                                     | AFFECTS : WSPO <input checked="" type="checkbox"/>   |                          | PROJECT <input checked="" type="checkbox"/> |                                     |  |                          |                                     |                                     |                                     |  |
| NAME OF MAJOR COMPONENT<br>AIRPLANE  |                                     | PART OR LOWEST SUBASSEMBLY<br>250 VA INVERTER  |                          | PART NO. & MODEL OR TYPE<br>R1125           |                                     |  |                          |                                     |                                     |                                     |  |
| TITLE OF PROPOSAL : REPLACEMENT OF R1125 INVERTER  |                                     |  |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
| NATURE OF PROPOSAL :<br>1. Replace existing 250 VA Inverter (R1125 with a 500 VA Inverter (Jack & Heintz F20-5). This includes removal of existing related wiring, power relay, "Keep Alive" and "Inv. Power" circuit breakers and installation of a 50 AMP circuit breaker in the CB and Fuse Panel plus wiring to the new inverter. Some re-arrangement of other equipment on the Q-bay shelf is required to provide space for the larger inverter.<br>2. Prepare and issue a Service Bulletin.<br>3. Fabricate appropriate Kits.<br>* Revised to include Kits for 4 U-2C aircraft. This is a transfer of costs from LAC-99-1 in order to accomplish this change on all a/c due to the uncertain status of LAC-99-2. |                                     |  |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
| REASON FOR PROPOSAL :<br>To provide a larger source of 400 cycle power to satisfy existing aircraft electrical requirements and minimize premature inverter failures and consequent aborted missions. The new 500 VA Inverter will provide regulated "A" phase voltage resulting in improved performance of voltage sensitive systems which are powered by this phase.<br>NOTE: This proposal is applicable to all U-2A aircraft. Inverter replacement on U-2C aircraft is included as a part of Change Proposal No. LAC-99.   |                                     |  |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
| ES   |                                     | ESTIMATED COST AND TIME INVOLVED :   |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
|  |                                     | ADDITIONAL FUNDING REQUIRED :  |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
| CP   |                                     | ESTIMATED COST FOR KITS OR PARTS : * Cust. #1 \$ 6,075.00 ( 9 Kits)<br>Cust. #2 \$20,925.00 (31 Kits)<br>ADDITIONAL FUNDING REQUIRED : NONE (SP-1917)-Spares recommended on Page 2 |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
| ITEMS AFFECTED BY PROPOSAL :   |                                     |  |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
| SAFETY   | MISSION EFFEC- TIVENESS             | PERFORM- ANCE  | OPERATING PROCEDURE      | INTER- CHANGE- ABILITY                      | WEIGHT OR WEIGHT & BALANCE          | TOOLS & SUPPORT EQUIPMENT                      | MAINTENANCE PROCEDURE    | SERVICE LIFE                        | FLIGHT MANUAL                       | MAINTENANCE MANUAL                  |  |
| <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>                       | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |  |
| EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD   |                                     |  |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
| SOURCE OF PARTS FOR KIT<br>LAC   |                                     |  |                          |   |                                     | AVAILABILITY 12 WEEKS AFTER APPROVAL OR SOONER |                          |                                     |                                     |                                     |  |
| DISPOSITION OF SPARES AFFECTED   |                                     |  |                          |   |                                     | R1125 Inverter no longer used. 25X1A           |                          |                                     |                                     |                                     |  |
| Leach 9022 Power Relay used in A/P circuit - All Aircraft.   |                                     |  |                          |   |                                     |  |                          |                                     |                                     |                                     |  |
| INITIATED BY :   |                                     |  |                          |   |                                     | APPROVED : WSPO                                |                          |                                     |                                     |                                     |  |
| Approved For Release 2003/01/30 : CIA-RDP81B00878R000600030068-4   |                                     |  |                          |   |                                     | 3/2/6  |                          |                                     |                                     |                                     |  |

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